



LL705

4G Wireless Asset Tracker

The LL705 is a 4G wireless GPS tracker, engineered specifically for monitoring high-value assets such as construction and mining equipment. Its powerful 18,000mAh internal battery enables the device to operate up to a decade, given the most energy-efficient settings. This makes it ideal for scenarios needing extended service life and infrequent location updates. The LL705 can accurately identify the location of your assets through GPS+Beidou satellite systems, cell towers, or Bluetooth signals. Additionally, it provides installation flexibility, allowing customization with mounting accessories of your choice, such as screws, an internal magnet, 3M double-sided adhesive tape, or cable ties.



LTE Cat 1 Network

Stable communication via IoT-specific 4G LTE networks, with 2G fallback.



GPS & BDS & LBS & BLE Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



18,000mAh Battery

High-capacity battery supports the device to operate as long as 10 years.



IP67 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



Tamper Alert

Receive a tamper alert when the light sensor of the device detects any change in ambient light, which can be disabled via a command.



Low Battery Alert

Users'll be alerted when the remaining battery power of the device falls below 20%.



Flexible Installation

The device can be installed via the standard configuration - screws or via an optional configuration - the inbuilt magnet, 3M double-sided adhesive tape, or cable ties.



Multiple Working Modes

Configurable working modes according to your actual demands.

Container Tracking



Construction Equipment



Mining Equipment



Trailer Tracking



GNSS

Positioning system	GPS+BDS+LBS
Frequency	L1
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE Cat 1/GSM
Frequency	LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B34/B40/B41 GSM: 850/900/1800/1900MHz

Power

Battery	18,000mAh Li-SOCI2 battery string
Working modes	Regular GPS mode Tracking mode Phase-based mode Alarm-based mode
Standby time	10 years (one update per day)

Interface

LED indication	Power (yellow)
SIM	Nano-SIM

Physical specification

Dimensions	120,0 x 68,0 x 43,5mm
Weight	289,0g

Operating environment

Operating temperature	-20 C to +70 C
Operating humidity	5%~95%, non-condensing
IP rating	IP67

Feature

Sensors	Light sensor Accelerometer
Scenarios	Low battery alert, Tamper alert, Vibrating alert (optional)
FOTA	Yes